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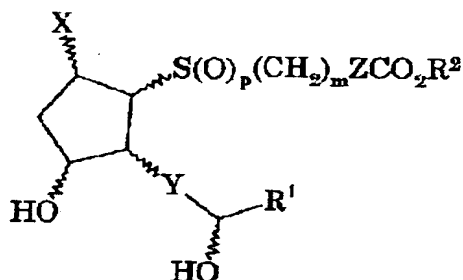
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(I)

TITLE : PROSTAGLANDIN DERIVATIVE

ABSTRACT : PROBLEM TO BE SOLVED: To provide a novel PG derivative that has the PGD2-like agonist action and the sleep-inducing action.

SOLUTION: This prostaglandin derivative is represented by the formula (wherein X is α or β -substituted halogen atom; Y is ethylene, vinylene or ethynylene group; Z is ethylene, vinylene, ethynylene group and $S(O)_p(CH_2)_n$; R1 is a 3-10C cycloalkyl, a 1-4C alkyl-substituted 3-10C cycloalkyl, a 3-10C cyclo-alkyl-substituted 1-4C alkyl, a 5-10C alkyl, a 5-10C alkenyl group, 5-10C alkynyl group or a bridge-cyclic hydrocarbon group; R2 is H, a 1-10C alkyl, or a 3-10C cycloalkyl; (n) is an integer of 1-3; and (p) is 0 or 1 or 2) and also includes the pharmaceutically acceptable salts thereof or their hydrates.

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